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Total Number of Pages in This Submission

Application Number	10/573,944
Filing Date	
First Named Inventor	VARNER, Judith
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	UCSD-10834

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Copy of Notice of Defective Response, Response to Notice of Defective Response, substitute copy of Sequence Listing in computer readable form
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Medlen & Carroll, LLP		
Signature	<i>Maha A. Hamdan</i>		
Printed name	Maha A. Hamdan		
Date	October 2, 2008	Reg. No.	43,655

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

*Marilyn Moy*

Typed or printed name

Marilyn Moy

Date

10/2/08

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT  
Attorney Docket No.: UCSD-10834

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: VARNER, Judith                          Group No.: Not yet assigned  
Serial No.: 10/573,944                          Examiner: Not yet assigned  
371(c) File Date:  
Entitled: **METHODS FOR ALTERING HEMATOPOIETIC PROGENITOR  
CELL ADHESION, DIFFERENTIATION, AND MIGRATION**

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE  
MAILED SEPTEMBER 12, 2008**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)	
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Date: _____	By: _____ Marilyn Moy

Sir or Madam:

This is responsive to the Notification of Defective Response mailed September 12, 2008, and setting a one-month period for response, which ends on October 12, 2008.

Applicant submits herewith a substitute Sequence Listing on floppy disk in computer readable form. The substitute Sequence Listing is provided to correct the errors detected and noted in the Raw Sequence Listing Error Report as processed by the Scientific and Technical Information Center (STIC) on June 5, 2008. The contents of the computer readable copy is identical to the paper copy of the Sequence Listing filed March 12, 2007, and contains no new matter.

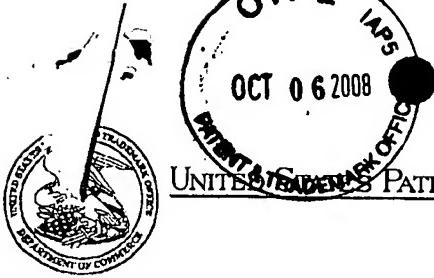
*PATENT*  
Attorney Docket No.: UCSD-10834

Please substitute the substitute Sequence Listing attached herewith for the last-filed computer readable copy of the Sequence Listing.

Date: October 2, 2008

By: Maha A. Hamdan  
Maha A. Hamdan  
Registration No. 43,655

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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U.S. APPLICATION NUMBER NO. 10/573,944 23535	FIRST NAMED APPLICANT Judith A. VARNER	ATTY. DOCKET NO. UCSD-10834	
		INTERNATIONAL APPLICATION NO. PCT/US04/31825	
		I.A. FILING DATE 09/28/2004	PRIORITY DATE 09/29/2003
CONFIRMATION NO. 2052 371 FORMALITIES LETTER			

**RECEIVED**  
SEP 17 2008  
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Date Mailed: 09/12/2008

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 03/29/2006
- Copy of the International Search Report filed on 03/29/2006
- Preliminary Amendments filed on 03/14/2007
- Biochemical Sequence Diskette filed on 06/02/2008
- Oath or Declaration filed on 03/14/2007
- Biochemical Sequence Listing filed on 03/14/2007
- U.S. Basic National Fees filed on 03/29/2006
- Power of Attorney filed on 03/14/2007
- Specification filed on 03/29/2006
- Claims filed on 03/29/2006
- Drawings filed on 03/29/2006

*Reap. 10/12/08 recd*

Applicant's response filed 06/02/2008 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 02/16/2007 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Refer to attachment or PAIR document dated see report dated 07/10/08.

**Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).**

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

**For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:**

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

FRANCINE YOUNG

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